

Patent Claims

1. Water treatment unit including a metallic casing (1), in which at least a metallic reacting anode (4) is arranged, which with the casing (1) is connected with electrical conductance, **characterized in that** in the casing (1) at least one of the metallic turbulence bodies (9, 9a, 9b, 9c, 9d) is arranged in the direction of the flow before a reacting anode (4), in particular, in order to achieve a cleansing of a reacting anode (4) by means of the turbulent water flow.
2. Equipment according to claim 1, **characterized in that** a turbulence body (9, 9a, 9b, 9c, 9d) is separated from direct electrical contact by an insulating element (10) from a reacting anode (4).
3. Equipment according to the previous claims, **characterized in that** at least one turbulence body (9, 9a, 9b, 9c, 9d) is arranged before and after at least one reacting anode (4).
4. Equipment according to claim 3, **characterized in that** that the turbulence body (9, 9a, 9b, 9c, 9d) is identical before and after a reacting anode (4) and is reversed in its orientation to the direction of the flow by 90 degrees.
5. Equipment according to one of the previous claims, **characterized in that** an offset is planned between a turbulence body (9, 9a, 9b, 9c, 9d) and a reacting anode (4), in particular by means of a spacer (14) between these elements.
6. Equipment according to one of the previous claims, **characterized in that** a turbulence body (9, 9a, 9b, 9c, 9d) is fixed locally in its position by means of a securing element (13).

7. Equipment according to one of the previous claims, **characterized in that** a turbulence body (9, 9a, 9b, 9c, 9d) which is designed with at least one element through which water can flow through channels and/or holes, in particular perforated plates.
8. Equipment according to one of the previous claims, **characterized in that** a turbulence body (9, 9a, 9b, 9c, 9d) includes a multitude of perforated plates that are oriented differently to each other.
9. Equipment according to one of the previous claims, **characterized in that** the perforated plate of a turbulence body (9, 9a, 9b, 9c, 9d), are attached to each other, in particular through a connector (9d).
10. Equipment according to one of the previous claims, **characterized in that** a turbulence body (9, 9a, 9b, 9c, 9d) includes a plate (9c), in particular with holes, wound spirally in the direction of the flow.
11. Equipment according to one of the previous claims, **characterized in that** a turbulence body (9, 9a, 9b, 9c, 9d) is designed with two perforated plates (9a, 9b) which are perpendicular to the direction of the flow with an offset to each other, between which at least one other plate (9c) extends, in particular with holes.
12. Equipment according to one of the previous claims, **characterized in that** a turbulence body (9, 9a, 9b, 9c, 9d) includes at least one perforated plate, which has a multitude of holes with various cross-section shapes and/or cross-section sizes.